

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 5995980 A

L5: Entry 1 of 1

File: USPT

Nov 30, 1999

US-PAT-NO: 5995980

DOCUMENT-IDENTIFIER: US 5995980 A

TITLE: System and method for database update replication

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Olson; Jack E.	Austin	TX	78730	
Price; Thomas G.	Austin	TX	78730	

APPL-NO: 8/ 685219

DATE FILED: July 23, 1996

INT-CL: [6] G06 F 17/30

US-CL-ISSUED: 707/201; 707/203, 707/10

US-CL-CURRENT: 707/201; 707/10, 707/203

FIELD-OF-SEARCH: 707/201, 707/203, 707/10

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4631673</u>	December 1986	Haas et al.	707/100
<u>4714992</u>	December 1987	Gladney et al.	707/206
<u>4714995</u>	December 1987	Materna et al.	707/201
<u>4809170</u>	February 1989	Leblang et al.	395/703
<u>5357629</u>	October 1994	Dinnis et al.	707/203
<u>5600832</u>	February 1997	Eisenberg et al.	707/203
<u>5649195</u>	July 1997	Scott et al.	707/201
<u>5737601</u>	April 1998	Jain et al.	707/201
<u>5819251</u>	October 1998	Kremer et al.	707/1

ART-UNIT: 271

PRIMARY-EXAMINER: Amsbury; Wayne

ATTY-AGENT-FIRM: Fulbright & Jaworski, L.L.P. Denko; J. Scott

ABSTRACT:

The present invention provides a new, high-performance system and method for updating databases or other data compilations with changes entered in a source database or data compilation. Updates are preprocessed to reduce system update demands while increasing

The flexibility for remote processing sites. Data update records are captured or
 selected and extracted into one or more channel or other criterion-specific batches.
 Transaction boundaries within a batch are collapsed, and the records coalesced into a
 package comprising a sequence of updates that reflect the cumulated impact of the
 selected records. In a preferred embodiment, the batched records are sorted by
 selected sort key entries and the package is converted to the physical format of
 selective targets. The created update package is, therefore, organized and physically
 formatted in correspondence with the target database. The update package is then
 directly applied to the target database without resort to the traditional front door
 processing through the local database manager. The processing typically required in
 database update replication is, thereby, avoided and the update process significantly
 streamlined. The update packages may be moved to targets by a variety of methods. The
 packages can be conveyed across network or Internet connections or between disconnected
 computers. The packages may be stored in computer readable media such as disks or CD
 ROMs, for example, from which the packages may be accessed by target systems. The
 update packages may also be made available through modems to field users or clients to
 allow flexible update scheduling. The invention results in a high performance, database
 update system and method that significantly reduces system update burdens while
 increasing update flexibility and minimizing impacts from failures during updating.
 Updates are performed in significantly less time with a system and method that requires
 little administrative oversight and minimal personnel training.

32 Claims, 7 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC
Draw Desc	Image										

Generate Collection

Print

Terms	Documents
5995980.pn.	1

Display Format: FRO

Change Format

[Previous Page](#)

[Next Page](#)